GOVERNMENT OF INDIA
SPACE
LOK SABHA

UNSTARRED QUESTION NO:947
ANSWERED ON:08.02.2017
ISRO Rover on Lunar Surface
Gopal Dr. K.

Will the Minister of SPACE be pleased to state:

(a) whether ISRO is going to deploy rover on lunar surface;
(b) if so, the details thereof;
(c) whether the wheeled rover would be useful in suing multiple applications by collecting soil and rock sediments and if so, the details thereof; and
(d) whether ISRO has not yet finalized the timing of its launch and if so, the details thereof?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PG & PENSIONS AND IN THE PRIME MINISTER'S OFFICE (DR. JITENDRA SINGH):

(a) Yes Madam. Indian Space Research Organisation (ISRO) is planning to deploy a rover on the lunar surface in the Chandrayaan-2 mission.

(b) The Chandrayaan-2, India's second mission to the Moon, is a totally indigenous mission comprising of an Orbiter, Lander and Rover. After reaching the 100 km lunar orbit, the Lander housing the Rover will separate from the Orbiter. After a controlled descent, the Lander will soft land on the lunar surface at a specified site and deploy a Rover.

(c) The six-wheeled Rover will move around the landing site in semi-autonomous mode as decided by the ground commands. The instruments on the rover will observe the lunar surface and send back data, which will be useful for analysis of the lunar soil. Collection of soil and rock sediments is not planned in this mission.

(d) ISRO is working towards the launch of Chandrayaan-2 during the first quarter of 2018.

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